

Mouse anti-Human PINK1 Monoclonal Antibody | anti-PINK1 antibody

PINK1 Antibody

CATALOG # AAA28638	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Immunofluorescence, Western Blot
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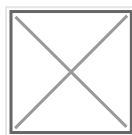
PRODUCT SYNONYMS

PINK1; Monoclonal Antibody; PINK1 Antibody; Serine/threonine-protein kinase PINK1; mitochondrial; BRPK; PTEN-induced putative kinase protein 1; anti-PINK1 antibody

PRODUCT SPECIFICATIONS

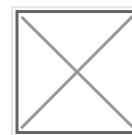
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	38CT20.8.5
Specificity	Recombinant PINK1 protein was used to produced this monoclonal antibody.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	581
Applicable Applications for anti-PINK1 antibody	ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Application Notes	IHC~~1:50~100 IF~~1:25 WB~~1:100~500
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

PINK1 Monoclonal Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PINK1 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of PINK (arrow) using mouse monoclonal PINK antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PINK gene (Lane 2) (Origene Technologies)



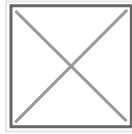
WB (Western Blot)

Western blot analysis of lysates from A431 cell line, mouse brain tissue lysate(from left to right), using Pink1 Antibody(115-213). AAA28638 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



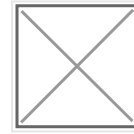
IF (Immunofluorescence)

Fluorescent image of PC12 cells stained with Pink1(115-213) Antibody. AAA28638 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. heart section using Pink1(115-213). AAA28638 was diluted at 1:25 dilution. A undiluted biotinylated goat polyclonal antibody was used as the secondary, followed by DAB staining.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. stomach section using Pink1(115-213). AAA28638 was diluted at 1:25 dilution. A undiluted biotinylated goat polyclonal antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-PINK1 antibody	This gene encodes a serine/threonine protein kinase that localizes to mitochondria. It is thought to protect cells from stress-induced mitochondrial dysfunction. Mutations in this gene cause one form of autosomal recessive early-onset Parkinson disease.
Product Categories/Family for anti-PINK1 antibody	Crown Antibodies ; Cardiovascular ; Metabolism ; Signal Transduction
References	<p>Oxidative stress alters the regulatory control of p66Shc and Akt in PINK1 deficient cells. Maj MC, et al. Biochem Biophys Res Commun, 2010 Aug 27. PMID 20637729.</p> <p>Assessing the prevalence of PINK1 genetic variants in South African patients diagnosed with early- and late-onset Parkinson's disease. Keyser RJ, et al. Biochem Biophys Res Commun, 2010 Jul 16. PMID 20558144.</p> <p>Progression of subtle motor signs in PINK1 mutation carriers with mild dopaminergic deficit. Eggers C, et al. Neurology, 2010 Jun 1. PMID 20513816.</p> <p>Structural imaging in the presymptomatic stage of genetically determined parkinsonism. Reetz K, et al. Neurobiol Dis, 2010 Sep. PMID 20483373.</p> <p>Clinical and demographic characteristics of PINK1 mutation carriers--a meta-analysis. Kasten M, et al. Mov Disord, 2010 May 15. PMID 20461815.</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	14165272
NCBI GeneID	65018
NCBI Accession #	NP_115785.1
NCBI GenBank Nucleotide #	NM_032409.2
UniProt Accession #	Q9BXM7 ; Q8N6T9 ; Q8NBU3 ; Q96DE4
Molecular Weight	62769
NCBI Official Full Name	serine/threonine-protein kinase PINK1, mitochondrial
NCBI Official Synonym Full Names	PTEN induced putative kinase 1
NCBI Official Symbol	PINK1
NCBI Official Synonym Symbols	BRPK; PARK6
NCBI Protein Information	serine/threonine-protein kinase PINK1, mitochondrial
UniProt Protein Name	Serine/threonine-protein kinase PINK1, mitochondrial

UniProt Gene Name	PINK1
UniProt Entry Name	PINK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pink1-antibody-clone-38ct20-8-5-immunohistochemistry-immunofluorescence-western-blot-elisa/28638>